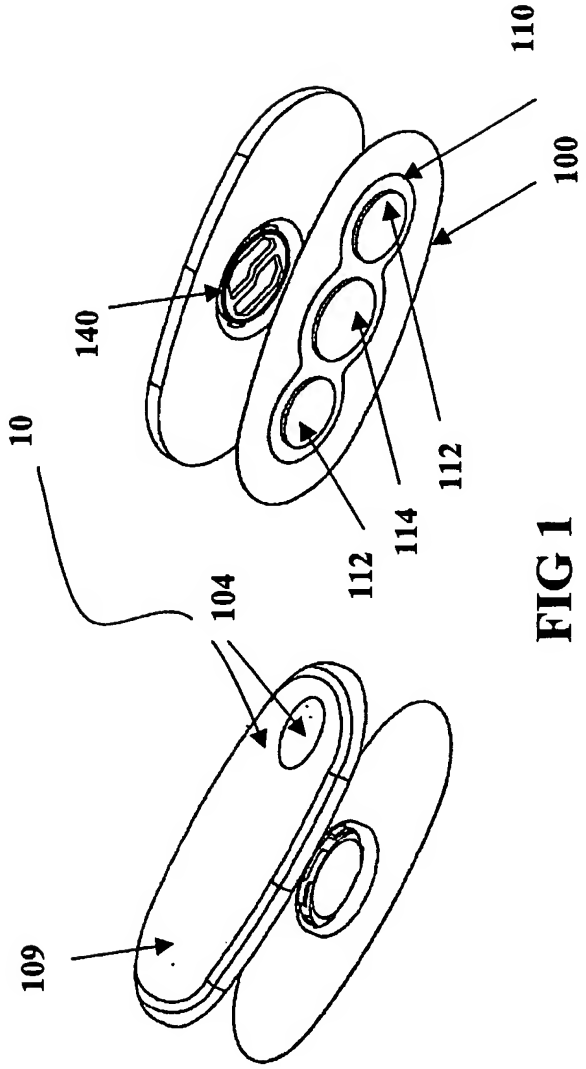

FIG 1

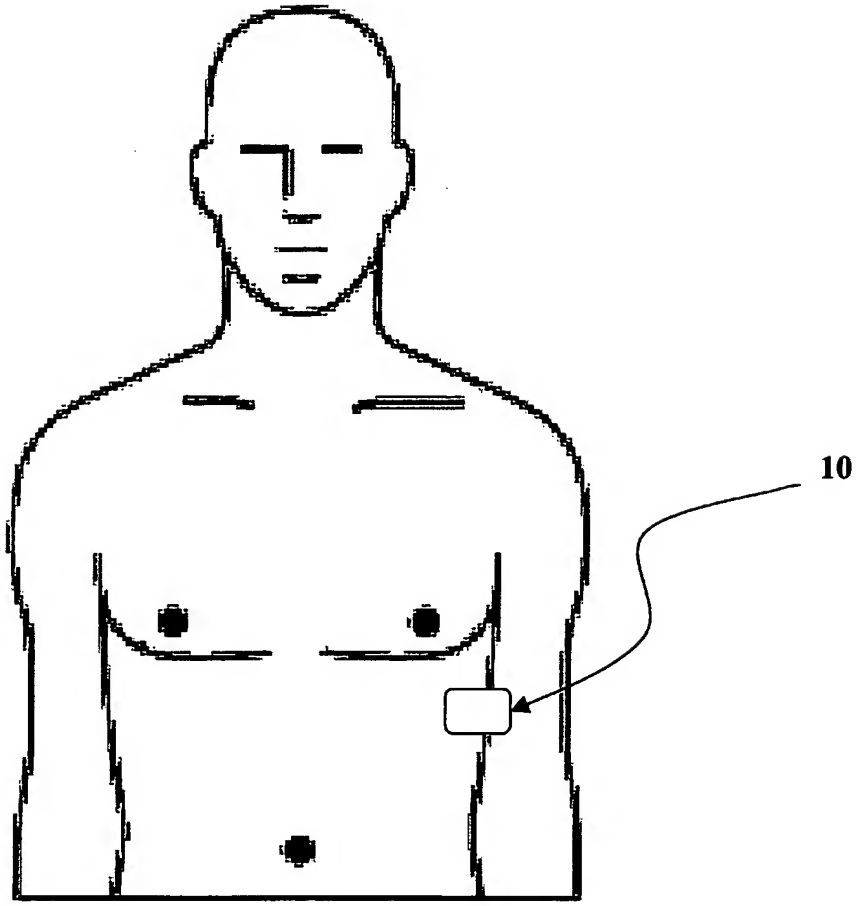

FIG 2

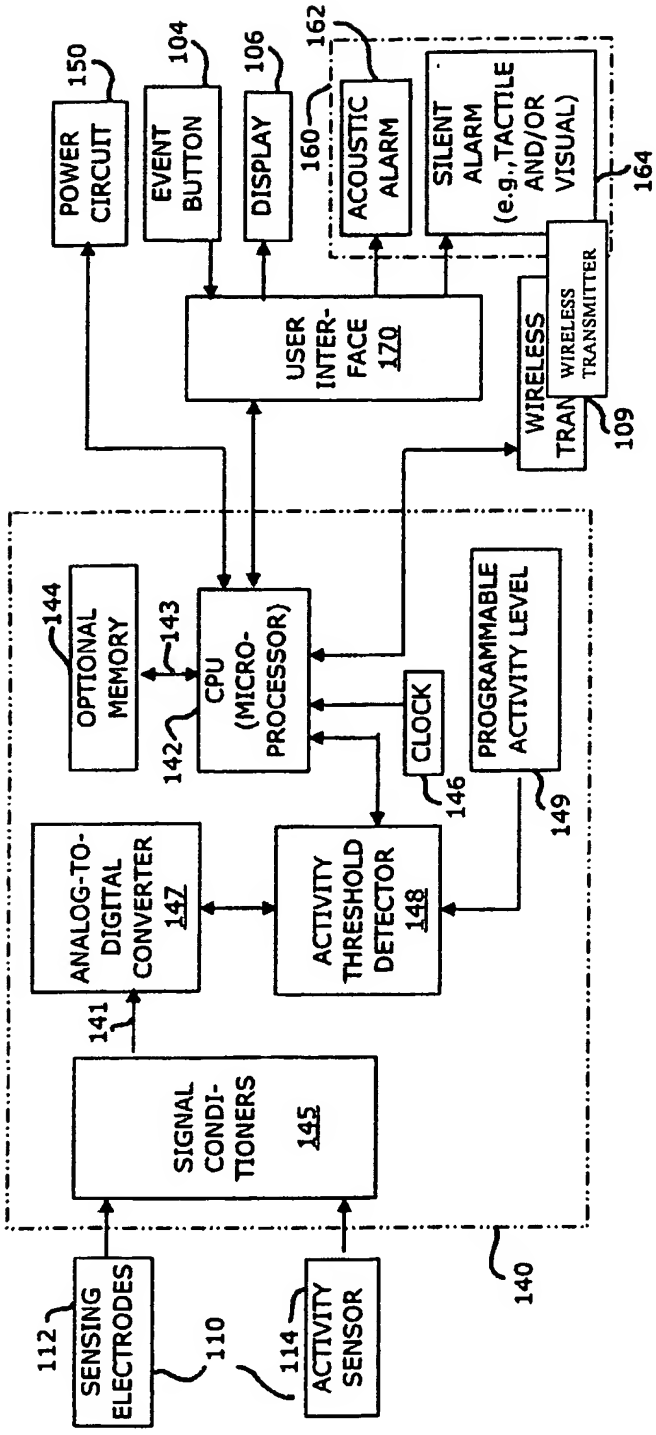
POWER CIRCUIT
150
EVENT BUTTON
104
DISPLAY
106
ACOUSTIC ALARM
160
162
SILENT ALARM (e.g., TACTILE AND/OR VISUAL)
164
USER INTER-FACE 170
WIRELESS TRANSMITTER
WIRELESS TRAN
109
OPTIONAL MEMORY
144
143
CPU (MICRO-PROCESSOR)
142
CLOCK
146
PROGRAMMABLE ACTIVITY LEVEL
149
ANALOG-TO-DIGITAL CONVERTER 147
ACTIVITY THRESHOLD DETECTOR 148
141
SIGNAL CONDI-TIONERS 145
SENSING ELECTRODES
112
110
ACTIVITY SENSOR
114
140

FIG 3

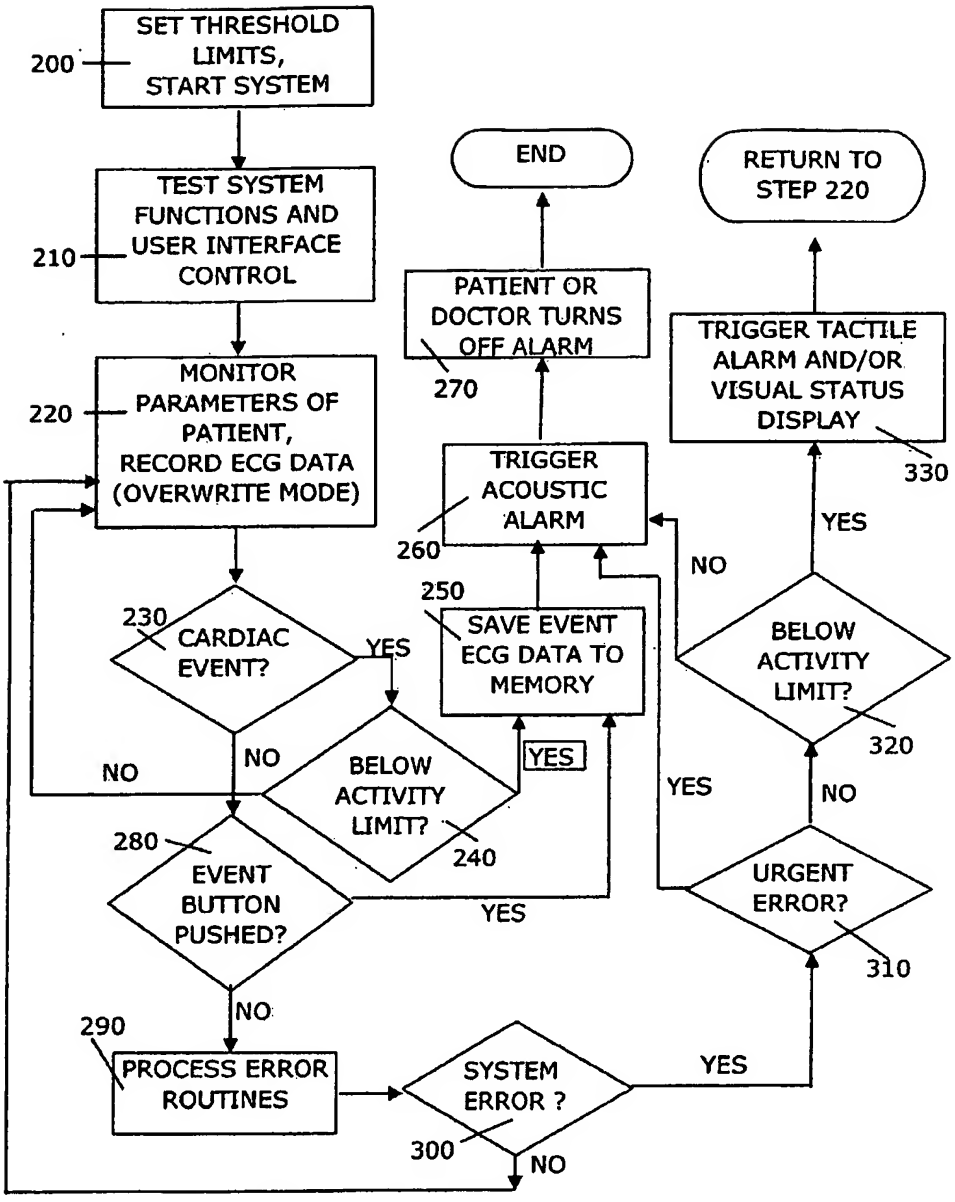
SET THRESHOLD LIMITS, START SYSTEM
200
TEST SYSTEM FUNCTIONS AND USER INTERFACE CONTROL
210
MONITOR PARAMETERS OF PATIENT, RECORD ECG DATA (OVERWRITE MODE)
220
CARDIAC EVENT?
230
YES
NO
BELOW ACTIVITY LIMIT?
240
YES
NO
SAVE EVENT ECG DATA TO MEMORY
250
TRIGGER ACOUSTIC ALARM
260
PATIENT OR DOCTOR TURNS OFF ALARM
270
END
EVENT BUTTON PUSHED?
280
YES
NO
PROCESS ERROR ROUTINES
290
SYSTEM ERROR ?
300
YES
NO
URGENT ERROR?
310
YES
NO
BELOW ACTIVITY LIMIT?
320
YES
NO
TRIGGER TACTILE ALARM AND/OR VISUAL STATUS DISPLAY
330
RETURN TO STEP 220

FIG 4